

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT

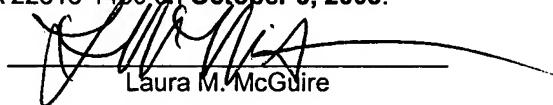
Atty. Docket No.
UBAT1360-2

| | |
|---|---------------------------------|
| Applicant Michael A. Guillorn t al. | |
| Application Number Unknown | Filed October 7, 2003 |
| For NANOSTRUCTURE FIELD EMISSION CATHODE MATERIAL WITHIN A DEVICE | |
| Group Art Unit Unknown | Examiner Unknown |

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Certificate of Mailing Under 37 C.F.R. 1.10

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail No. EV338103215US in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on October 8, 2003.



Laura M. McGuire

Dear Sir:

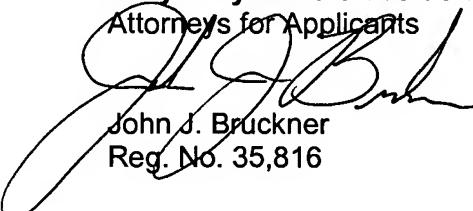
Applicant respectfully requests, pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, that the art listed on the attached PTO/SB/08B form be considered and cited in the examination of the above-identified application. Copies of all these references were previously made of record in parent application, Application Serial No. 10/155,841 (Our Ref. UBAT1360-1).

Furthermore, pursuant to 37 C.F.R. §§ 1.97(g) and (h), no representation is made that a search has been made or that this art is material to the patentability of the present application. If any fees are inadvertently omitted, or if any additional fees are required, or if any amounts have been overpaid, please appropriately charge or credit those fees to Deposit Account No. 50-0456 of Gray Cary Ware & Freidenrich, LLP.

Respectfully submitted,

Gray Cary Ware & Freidenrich LLP

Attorneys for Applicants



John J. Bruckner
Reg. No. 35,816

Dated: October 8, 2003
1221 South MoPac Expressway
Suite 400
Austin, TX 78746-6875
Tel. (512) 457-7233

Gray CaryAU4115220.1
2500940-991262

| FORM PTO 1449 US Department of Commerce Patent and Trademark Office | | | | Application Number | Unknown | |
|--|----------|--|---|-------------------------------|-----------------------------|-------------------|
| | | | | Filing Date | Herewith | |
| | | | | First Named Inventor | Michael A. Guillorn, et al. | |
| | | | | Group Art Unit | Unknown | |
| | | | | Examiner Name | Unknown | |
| Sheet | 1 | of | 1 | Attorney Docket Number | UBAT1360-2 | |
| Examiner Initials | Cite No. | OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS | | | | Date |
| | C1 | Guillorn, et al., "Operation of a gated field emitter using an individual carbon nanofiber cathode," Applied Physics Letters, Vol. 79, No. 21, pp. 3506-3508. | | | | November 19, 2001 |
| | C2 | Baylor, et al., "Field emission from isolated individual vertically aligned carbon nanocones" Journal of Applied Physics, Vol. 91, No. 7, pp. 4602-4606. | | | | April 1, 2002 |
| | C3 | Yahachi et al., "Field Emission Patterns from Single-Walled Carbon Nanotubes," Japan Journal Applied Physics, Vol. 36, pp. 1340-1342. | | | | October 1, 1997 |
| | C4 | Matsumoto, et al., "Ultralow biased field emitter using single-wall carbon nanotube directly grown onto silicon tip by thermal chemical vapor deposition," Applied Physics Letters, Vol. 78, No. 4, pp. 539-540. | | | | January 22, 2001 |
| | C5 | Guillorn, et al., "Fabrication of gated cathode structures using an <i>in situ</i> grown vertically aligned carbon nanofiber as a field emission element", Journal of Vacuum Science, pp. 573-578. | | | | Mar/Apr. 2001 |
| | C6 | Rinzler, et al., "Unraveling Nanotubes: Field Emission from an Atomic Wire" available at www.jstor.org , pp. 1550-1553. | | | | May 9, 2002 |
| | C7 | Merkulov, et al., "Patterned growth of individual and multiple vertically aligned carbon nanofibers," Applied Physics Letters, Vol. 76, No. 24, pp. 3555-3557. | | | | June 12, 2000 |
| | C8 | Xueping, et al., "A method for fabricating large-area, patterned, carbon nanotube field emitters," Applied Physics Letters, Vol. 74, No. 17, pp. 2549-2551. | | | | April 26, 1999 |
| | C9 | Merkulov, et al., "Scanned-probe field-emission studies of vertically aligned carbon nanofibers" Journal of Applied Physics, Vol. 89, No. 3, pp. 1933-1937. | | | | February 1, 2001 |
| | C10 | Bonard, et al., "Field emission from single-wall carbon nanotube films" Applied Physics Letters, Vol. 73, No. 7, pp. 918-920 | | | | August 17, 1998 |
| | C11 | Xueping, et al., "Carbon Nanotube-based vacuum microelectronic gated cathode," Material Research Society Symposium, Vol. 509, pp. 107-109. | | | | 1998 |
| | C12 | Dean, et al., "The environmental stability of field emission from single-walled carbon nanotubes" Applied Physics Letters, Vol. 75, No. 19, pp. 3017-3019. | | | | November 8, 1999 |
| | C13 | Wang, et al., "Flat panel display prototype using gated carbon nanotube field emitters," Applied Physics Letters, Vol. 78, No. 9, pp. 1294-1296. | | | | February 26, 2001 |
| | C14 | Lee, et al., "Realization of Gated Field Emitters for Electrophotonic Applications Using Carbon Nanotube Line Emitters Directly Grown into Submicrometer Holes," Advanced Materials Communications, Vol. 13, No. 7, pp. 479-482. | | | | April 4, 2001 |
| | C15 | Guillorn, et al. "Microfabricated field emission devices using carbon nanofibers as cathode elements", Journal of Vacuum Science Technology B19(6), pp. 2598-2601. | | | | Nov/Dec. 2001 |
| Examiner Signature | | | | | Date Considered | |